

Advantages

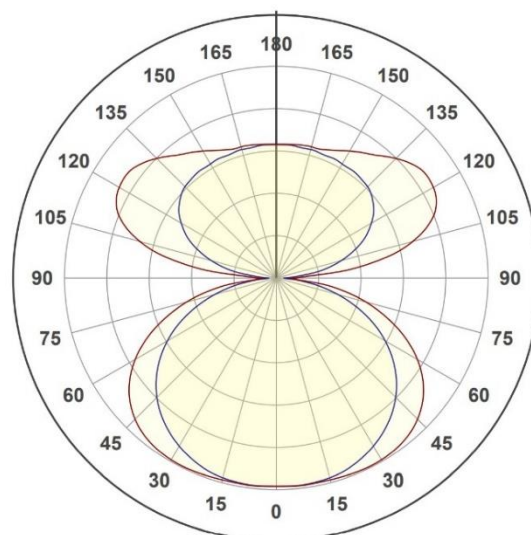
- 70% lower CO₂ footprint
- Uniform light emitting surface
- High optical efficiency
- Flexible shapes and dimensions

Ingemann Green Cast LGP is a versatile Light Guide Plate based on a mix of pre- and post-industrial PMMA waste. This results in a 70% CO₂ reduction of the material. According to a thorough LCA, the optical efficiency is nearly the same as for virgin material. The LGP is applicable for both circular and rectangular fixtures.

The laser engraving can be optimised to sizes up to 1150mm while maintaining great homogeneity. The clear edges ensure high in-coupling of the light and combined with the engraved structure high efficiency is achieved. This LGP can be used as a standalone product, but is often used in combinations with reflectors, opal diffusers and/or microrisms

Product data

Pattern size	20-120µm
Material	PMMA
Thickness	3-5mm
Distance to LED	Closest possible
Optical efficiency	>80%
Standard dimensions	2950x1150mm
No color shift	None
Glow wire test conducted	To be announced
Build-up	One-plate solution



Measured light distribution curve, Ingemann Green Cast LGP ■ C0/C180 ■ C90/C270

*Information on raw material is made on behalf of the producer's information. Ingemann Components A/S cannot guarantee the authenticity of the data.

CONTACT US

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